Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/31/2018 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124442	-1	2.82	124504	2.82
Blue	F	SSC	125000	124198	-1	4.61	125108	4.59
Blue	E	FITC	15492	14944	-4	4.28	347	21.45
Blue	D	PE	28736	27762	-4	3.70	612	16.12
Blue	B	PerCP-Cy5-5	41413	41078	-1	4.96	1123	22.43
Blue	A	PE-Cy7	31321	31550	0	7.27	578	45.88
Red	C	APC	41673	40491	-3	3.06	1567	13.38
Red	A	APC-Cy7	29962	29315	-3	2.98	732	14.19
Violet	B	V450	8318	7828	-6	4.92	435	14.56
Violet	A	V500	34199	33455	-3	4.69	806	11.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20332	3.47	606	-7	N/A	N/A	Pass
Blue	F	SSC	56299	4.10	574	6	N/A	N/A	Pass
Blue	E	FITC	57	72.23	555	-6	0.0168	153	Pass
Blue	D	PE	122	57.16	554	-6	0.1468	332	Pass
Blue	B	PerCP-Cy5-5	211	54.95	663	-4	0.0079	83	Pass
Blue	A	PE-Cy7	115	112.15	718	-4	0.0097	23	Pass
Red	C	APC	359	28.45	599	-2	0.0191	118	Pass
Red	A	APC-Cy7	181	31.63	574	-2	0.0045	917	Pass
Violet	B	V450	66	67.85	471	-6	0.0450	2321	Pass
Violet	A	V500	115	35.99	490	-4	0.0203	770	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.03	-32.53	1.13
Blue	20.37	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.48
Red	18.88	13.60 - 20.40	N/A	N/A	29.66	30.11	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9665

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments